## **INTERNATIONAL SEARCH REPORT**

International application No. PCT/IB 2004/050854

		PC1/II	B 2004/050854
A. CLASSIFICATION OF SUBJECT MATTER			
IPC7: F16K 3/02, B81B 3/00 According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols)			
IPC7: B81B, F16K			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
SE,DK,FI,NO classes as above			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
EPO-INT	TERNAL, WPI DATA, PAJ		
C. DOCU	MENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages		ages Relevant to claim No.
A	US 6131879 A (STEFAN KLUGE ET AL (17.10.2000), figure 2B	.), 17 October 2000	1-17,24-26
	<b></b> .		
A	US 20030070716 A1 (METIN GIOUSOU 17 April 2003 (17.04.2003),	IF ET AL), figure 1	1-17,24-26
	` <b></b>		
<b>A</b>	US 6523560 B1 (KIRT R. WILLIAMS 25 February 2003 (25.02.2003	ET AL), 3), figure 1C	1-17,24-26
A	DE 10027354 A1 (BARTELS MIKROTEC 13 December 2001 (13.12.2001		1-17,24-26
Further documents are listed in the continuation of Box C. X See patent family annex.			
* Special categories of cited documents:  "T" later document published after the international filing date or price date and not in conflict with the application but cited to understand the special categories of cited documents:  "A" document defining the general state of the art which is not considered to understand the special categories of cited documents:			th the application but cited to understand
to be of particular relevance  "E" earlier application or patent but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is		<ul> <li>"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> </ul>	
cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means		"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination	
"P" document published prior to the international filing date but later than		being obvious to a person s "&" document member of the s	
		Date of mailing of the international search report	
11 February 2005		11 6 -02- 2005	
Name and mailing address of the ISA/		Authorized officer	
Swedish Patent Office			
		Erik Miliander/MN Telephone No. +46 8 782 25 00	
Form PCT/ISA 2010 (sepand sheet) (January 2004)			

## INTERNATIONAL SEARCH REPORT

Information on patent family members PCT/IB 2004/050854 30/01/2005 17/10/2000 19648730 A,C 20/08/1998 US 6131879 A DE 19703415 A,C 05/11/1998 DE DE 29/04/1999 19735156 C DE 59703239 D 00/00/0000 00/00/0000 DE 59703609 D **EP** 0914563 A.B 12/05/1999 12/05/1999 EP 0914564 A,B 2000507681 T 20/06/2000 JP 2000507682 T JP 20/06/2000 US 6142444 A 07/11/2000 04/06/1998 WO 9823868 A 9823869 A 04/06/1998 WO 17/01/2002 US 20030070716 A1 17/04/2003 DE 20116898 U 50200795 D DE 00/00/0000 EP 1306598 A,B 02/05/2003 US 25/02/2003 AU 5905499 A 27/03/2000 6523560 B1 CN 1322282 T 14/11/2001 EP 1117937 A 25/07/2001 JP 2002524698 T 06/08/2002 US 6761420 B 13/07/2004 20020174891 A 28/11/2002 US US 20030098612 A 29/05/2003 0014415 A 16/03/2000 WO

MO

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International application No.

06/12/2001

10027354 A1

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DE

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)			
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:			
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:			
2. Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:			
3. Claims Nos.:			
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).			
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)			
This International Searching Authority found multiple inventions in this international application, as follows:			
I: Claims 1-17 and 24-26 directed to a microvalve for flow regulation and a method for its operation.			
II: Claims 18-23 directed to a microsystem for electro-pneumatic pressure control.			
<ol> <li>As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.</li> <li>As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.</li> <li>As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:</li> </ol>			
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-17, 24-26			
Remark on Protest  The additional search fees were accompanied by the applicant's protest.			
No protest accompanied the payment of additional search fees.			